

Recombinant Human APLNR Protein, GST-tagged

Cat. No. APLNR-449H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human AGTRL1 full-length ORF (AAH32688, 1 a.a. - 380 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the G protein-coupled receptor gene family. The encoded protein is related to the angiotensin receptor, but is actually an apelin receptor that inhibits adenylate cyclase activity and plays a counter-regulatory role against the pressure action of angiotensin II by exerting hypertensive effect. It functions in the cardiovascular and central nervous systems, in glucose metabolism, in embryonic and tumor angiogenesis and as a human immunodeficiency virus (HIV-1) coreceptor. Two transcript variants resulting from alternative splicing have been identified. [provided by RefSeq, Jul 2009]
Molecular Mass	67.54 kDa
AA Sequence	MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAIYMLVFLGTTGNGLVLWTVFRS SREKRRSADIFIASLAVADLTFVVTLPLWATYTYRDYDWPFGTFFCKLSSYLIFVNM ASVFCLTGLSFDRYLAIVRPVANARLRLRVSGAVATAVLWVLAALLAMPVMVLRRTG DLENTTKVQCYMDYSMVATVSSEWAWEVGLGVSSSTTVGFVVPFTIMLTCYFFIAQTI AGHFRKERIEGLRKRRRLLSIIVVLVVTFALCWMPYHLVKTLYMLGSLHWP CDFDLF LMNIFPYCTCISYVNSCLNPFLYAFFDPRFRQACTSMLCCGQSRCAGTSHSSSGEK

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SASYSSGHSQGPGNMGKGGEQMHEKSIPYSQETLVVD

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[APLNR apelin receptor \[Homo sapiens \]](#)

Official Symbol

[APLNR](#)

Synonyms

APLNR; apelin receptor; AGTRL1, angiotensin II receptor like 1; APJ; APJ (apelin) receptor; APJR; FLJ90771; APJ receptor; HG11 orphan receptor; angiotensin receptor-like 1; G protein-coupled receptor APJ; G-protein coupled receptor APJ; angiotensin II receptor-like 1; G-protein coupled receptor HG11; HG11; AGTRL1; FLJ96609; MGC45246;

Gene ID

[187](#)

mRNA Refseq

[NM_005161](#)

Protein Refseq

[NP_005152](#)

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MIM 600052

UniProt ID P35414

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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